PATENT APPLICATION PLUC DOCKET NO. KPN93-09ACAF2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Peter A. Ronzani, Jeffrey Jacobsen, Ronald Gale and

Stephen Pombo	97
Prior Application Serial No.: 08/717,536	filed,filed
which is a continuation of U.S. Serial No Continuation-in-Part of U.S. Serial No. 0 Continuation-in-Part of U.S. Serial No. 0 Continuation-in-Part of U.S. Serial No. 0 HEAD-MOUNTED DISPLAY SYST	. 08/327,113, filed October 21, 1994, which is a 8/287,970, filed August 9, 1994, which is a 8/220,042, filed March 30, 1994, which is a
For	
Anticipated Classification of this Application: ClassSubclass	Prior application: Examiner: X. Wu Art Unit: 2609
Assistant Commissioner for Patents Box FWC Washington, D.C. 20231 FILE WRAPPER CONT	INUING APPLICATION (FWC)

This is a request for a filing under the file wrapper continuing application procedure, 37 CFR 1.62, for a

•	·
X	continuation
	divisional
	continuation-in-part with a Preliminary Amendment for adding new subject matter (for oath or declaration see II below)
of co Sept	opending application Serial No.: $08/717,536$ filed on tember 23, 1996, which is incorporated herein by reference in its entirety.
	This application is being filed by less than all the inventors named in the prior application in order to correct inventorship. In accordance with 37 CFR 1.62(a), the Assistant Commissioner is requested to delete the name(s) of the following person(s) who are not inventors of the invention being claimed in this application.
	(further particulars of prior application are)
1.	Title as originally filedHEAD-MOUNTED DISPLAY SYSTEM
	and as last amended)
	and ad lagr amended)

Date: May 16, 1997

EXPRESS MAIL LABEL NO. EM 482474275 US

POST OFFICE

ADDRESS

Name of applicant(s) as originally filed and as last amended. Current correspondence address of applicant(s):

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The above-identified application in which no payment of issue fee, abandonment of, or termination of proceedings has occurred, is hereby expressly abandoned as of the filing date of this new application. Please use all the contents of the prior application file wrapper, including the drawings, as the basic papers for the new application.

It is understood that secrecy under 35 U.S.C. 122 is hereby waived to the extent that if information or access is available to any one of the applications in the file wrapper of a 37 CFR 1.62 application, be it either this application or a prior application in the same file wrapper, the PTO may provide similar information or access to all the other applications in the same file wrapper.

II.	Decl	arat	-ion	or	Oath

11.	реста	ration or Oath				
	Α.	Conti X		on or divisional required		
	В.	Conti	ontinuation-in-part Executed Declaration/Power of Attorney.			
			Unexe	cuted copy of Declaration/Power of Attorney.		
III.		Pleas appli	Please enter the previously filed amendment under 37 CFR 1.116 from the prior application.			
IV.	Fee C	Calculation				
	A.	X	The fresul	ees to be charged are based on the number of claims remaining as ϵ t of the		
•			X	attached preliminary amendment.		
*				the unentered amendment filed under 37 CFR 1.116 in the prior application.		
				the claims as on file in the prior application.		

CLAIMS FOR FEE CALCULATION The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)	SMALI	LENTITY		ENTITY
FOR	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE			***************************************	\$ 385	*************	\$ 770
TOTAL CLAIMS	50 - 20 =	* 30	X \$11=	\$	X \$22=	\$ 660
INDEP CLAIMS	3 - 3 =	* 0	X \$40=	\$	X \$80	\$ 0
MULTIPLE D	EPENDENT CLAIM	PRESENTED	+ \$130=	\$	+ \$260=	\$
	rence in Col. : zero, enter "		Assignment Fee	\$	Assignment Fee	\$
			TOTAL:	\$	TOTAL:	\$ 1430.

OTHER THAN A

	B. Sm	all Entity Statement
		A verified statement that this is a filing by a small entity is attached.
		The small entity statement was filed in the parent application Serial No on and its benefit under 37 CFR 1.28(a) is hereby claimed.
v.	Metho	d of Fee Payment
		Attached is a check in the amount of \$
	X	Charge Account No.08-0380 in the amount of \$_1,430.00
VI.	Autho	rization to Charge Additional Fees
	x	Authorization is hereby granted to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 08-0380. Two duplicate copies of this letter are enclosed.
		X Any additional filing fees required under 37 CFR 1.16.
		X Any patent application processing fees under 37 CFR 1.17.
:	x	Authorization is hereby granted to charge payment of the following fees during pendency of this application or credit any overpayment to Deposit Account No. 08-0380. Two duplicate copies of this letter are enclosed.
		X Any patent application processing fees under 37 CFR 1.17.
		X Any filing fees under 37 CFR 1.16 for presentation of extra claims.
VII.	Inst	ructions as to Overpayment
	X	Credit Account No. 08-0380
		Refund
VIII.	Prior	Foreign Applications and Claim to Priority - 35 U.S.C. 119.
	which paten	d below are foreign application(s) for patent or Inventor's Certificate on priority is claimed. Also identified are any foreign application(s) for t or Inventor's Certificate having a filing date before that of the application ich priority is claimed:
		Priority Claimed
		(Number) (Country) (Day/Month/Year filed) Yes No
		(Number) (Country) (Day/Month/Year filed) Yes No
		(Number) (Country) (Day/Month/Year filed) Yes No

IX. Rel	ate	e Back - 35 U.S.C. 120			
Ame	nd t	the specification as follows:			
	I	nsert the following paragraph before the first line of the specification:			
	<u>R</u>	elated Application			
	Т	his application is a			
		continuation			
		division			
		continuation-in-part			
		f co-pending application Serial No, filed on, hich is incorporated herein by reference in its entirety.			
X	R	eplace the paragraph after "Related Applications" with the following:			
	Т	his application is a			
•		$\overline{\underline{\mathrm{X}}}$ continuation			
•		division			
		continuation-in-part			
	0	f co-pending application Serial No. 08/717,536 filed			
	2	September 23, 1996 , which is a continuation of U.S. Serial			
		No. 08/327,113, filed October 21, 1994, which is a Continuation-			
		in-Part of U.S. Serial No. 08/287,970, filed August 9, 1994,			
	_	which is a Continuation-in-Part of U.S. Serial No. 08/220,042,			
	-	filed March 30, 1994, which is a Continuation-in-Part of U.S.			
	_	Serial No. 08/141,133, filed October 22, 1993.			

All of the above applications are incorporated herein by reference in their entirety.

X. Assignment

	X	The prior application is assigned of reco	rd to		
		Kopin Corporation , Reel 7341		Frames 0719-0732	
		, Reel			
		An assignment of the invention to			
		is attached.			
XI.	X	Power of Attorney			
4 .		David E. Brook 22,592	_	Patricia Granahan	32,227
		James M. Smith 28,043	_	Mary Lou Wakimura	31,804
And And		Leo R. Reynolds 20,884	_	Thomas O. Hoover	32,470
# # \$ #		Richard A. Wise 18,041	_	Alice O. Carroll	33,542
•		A new power has been executed		Rodney D. Johnson attached.	36,558
		$\overline{[X]}$ The power appears in the orig	inal pa	pers in the prior app	lication.
		The power does not appear in on		ginal papers, but was	filed
-		An associate power of attorne	y to		·
		was filed in the prior	applica	tion on	· ·
		is enclosed herewith.			
XII.	х	Address all future communications to: Thomas O. Hoover, Esq.			
		Hamilton, Brook, Smith & Reynold	ds, P.	С.	
		Two Militia Drive		**************************************	
		Lexington, Massachusetts 02173			

XIII.	. Maintenance of Copendency of Prior Application				
	in th	at application is granted a	ation when any petition for extension of time filed and when this application is granted a filing date so ending with said prior application.		
	A petition and fee have been filed to extend the term for response in the pending prior application until				
	A petition and fee are attached to extend the term for response in the pending prior application until				
		The term for response in t	the pending prior application expires		
			Respectfully submitted, HAMILTON, BROOK, SMITH & REYNOLDS, P.C. By: Thomas O. Hoover Registration No. 32,470 Attorney for Applicant(s) (617) 861-6240		
	Militi	ay 16, 1997 a Drive			
TEXT.	ing con,	MA 02173	X Attorney or Agent of Record		

Filed under Rule §1.34(a)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Peter A. Ronzani, Jeffrey Jacobsen, Ronald

Gale and Stephen Pombo

Prior Application Serial No.: 08/717,536

Filing Date:

September 23, 1996

Group Art Unit:

2609

Examiner:

X. Wu

Title:

HEAD-MOUNTED DISPLAY SYSTEM

Date: May 16, 1997

EXPRESS MAIL LABEL NO. EM 482474275 US

PRELIMINARY AMENDMENT

The Assistant Commissioner for Patents Box FWC Washington, D.C. 20231

Sir:

Please amend the application as follows:

In the Title:

Please delete the present title and insert the following new title: --Portable Communication Display Device--.

In the Claims:

Please cancel Claims 1-20 and add the following new claims:

- 21. A portable communications device comprising:
 - a device housing;
 - a wireless receiver within the housing that receives image data;
 - an active matrix liquid crystal display, the display having an active matrix circuit including an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;
 - a display driver circuit connected to the wireless receiver;
 - a lens that enlarges an image displayed on the display for viewing by a user; and
 - a display control panel on the device housing.
- 22. The device of Claim 21 wherein the active matrix liquid crystal display and the lens are positioned within a display module attached to the device housing.
- 23. The device of Claim 22 wherein the display module rotates relative to the device housing.
- 24. The device of Claim 21 wherein the device housing comprises a head mounted support.
- 25. The device of Claim 21 wherein the active matrix liquid crystal display comprises a video display.
- 26. The device of Claim 21 wherein the display has an array of at least 640 x 480 pixel electrodes.
- 27. The device of Claim 21 further comprising a cholesteric liquid crystal element along an optical path between the display and the lens.

- 28. The device of Claim 21 further comprising a video processing circuit within the housing.
- 29. The device of Claim 21 further comprising a port for receiving a memory card.
- 30. The device of Claim 21 further comprising a battery within the device housing.
- 31. The device of Claim 21 further comprising a backlight for the active matrix display.
- 32. The device of Claim 31 wherein the backlight comprises red, green and blue light sources.
- 33. The device of Claim 21 further comprising a modem within the device housing.
- 34. The device of Claim 21 wherein the array of transistors is formed with a silicon-on-insulator (SOI) structure.
- 35. The device of Claim 21 wherein the display module comprises a reflector around the backlight.
- 36. The device of Claim 21 wherein the display has a diagonal length of 0.7 inches or less.
- 37. The device of Claim 21 further comprising a central processing unit within the device housing.
- 38. The device of Claim 22 further comprising a flexible ribbon cable connecting the device housing and the display module.

- 39. The device of Claim 21 wherein the active matrix display and the lens are on a single optical axis.
- 40. A portable wireless telephone comprising:
 - a telephone housing;
 - a wireless receiver within the housing that receives audio and image data;

an active matrix liquid crystal display, the display having an active matrix circuit including an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;

a display driver circuit connected to the wireless receiver;

a lens that enlarges an image displayed on the display for viewing by a user; and

a display control panel on the device housing.

- 41. The device of Claim 40 wherein the active matrix liquid crystal display and the lens are positioned within a display module attached to the device housing.
- 42. The device of Claim 41 wherein the display module rotates relative to the device housing.
- 43. The device of Claim 40 wherein the housing comprises a head mounted support.
- 44. The device of Claim 40 wherein the active matrix liquid crystal display comprises a video display.
- 45. The device of Claim 40 wherein the display has an array of at least 640 x 480 pixel electrodes.

- 46. The device of Claim 40 further comprising a cholesteric liquid crystal element along an optical path between the display and the lens.
- 47. The device of Claim 40 further comprising a video processing circuit within the housing.
- 48. The device of Claim 40 further comprising a port for receiving a memory card.
- 49. The device of Claim 40 further comprising a battery within the device housing.
- 50. The device of Claim 40 further comprising a backlight for the active matrix display.
- 51. The device of Claim 50 wherein the backlight comprises red, green and blue light sources.
- 52. The device of Claim 40 further comprising a modem within the device housing.
- 53. The device of Claim 40 wherein the array of transistors is formed with a silicon-on-insulator (SOI) structure.
- 54. The device of Claim 41 wherein the display module comprises a reflector around the backlight.
- 55. The device of Claim 40 wherein the display has a diagonal length of 0.7 inches or less.
- 56. The device of Claim 40 further comprising a central processing unit within the device housing.

- 57. The device of Claim 41 further comprising a flexible ribbon cable connecting the device housing and the display module.
- 58. The device of Claim 40 wherein the active matrix display and the lens are on a single optical axis.
- 59. A method of viewing an image with a portable communications device comprising:

providing a device housing enclosing a wireless
receiver;

providing an active matrix liquid crystal display, the display having an active matrix circuit including an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;

operating a display control panel on the device housing to display an image, the control panel being connected to a display driver circuit and the wireless receiver; and viewing through a lens an enlarged image displayed on the display.

- 60. The method of Claim 60 further comprising providing the active matrix liquid crystal display and lens are positioned within a display module attached to the device housing.
- 61. The method of Claim 60 further comprising rotating the display module relative to the device housing.
- 62. The method of Claim 59 further comprising mounting the device housing on a head mounted support.
- 63. The method of Claim 59 further comprising displaying a video display.

- 64. The method of Claim 59 further comprising providing a display with an array of at least 640 x 480 pixel electrodes.
- 65. The method of Claim 59 further comprising providing a video processing circuit within the housing.
- 66. The method of Claim 59 further comprising providing a port in the housing for receiving a memory card.
- 67. The method of Claim 59 further comprising providing a battery within the device housing.
- 68. The method of Claim 59 further comprising providing a backlight for the active matrix display.
- 69. The method of Claim 59 further comprising providing a modem within the device housing.
- 70. The method of Claim 59 further comprising providing the array of transistors formed with a silicon-on-insulator (SOI) structure.

Respectfully submitted,

Thomas O. Hoover

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Dated: May 16, 1997